

Product Datasheet

Anti-TrpV3 Antibody FL490 Conjugate



Overview

Catalog #	75-043-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N15/4
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 774-791 (cytoplasmic C-terminus) of rat TrpV3 (KTTLYAFDELDEFPEHSV; accession number E9PU00)
Molecular Weight	70 kDa
Cite this Antibody	Antibodies Inc Cat# 75-043-FL490, RRID: AB_2939204

Details

Target Description	Transient receptor potential cation channel subfamily V member 3 or TrpV3 is encoded by the gene TrpV3. TrpV3 is a member of the transient receptor potential cation channel family. TrpV3 is thought to function in a variety of processes, including temperature sensation and vasoregulation. This channel is activated at temperatures between 22 and 40 °C. TrpV3 is found at the membrane in the CNS, PNS and skin where it acts as a transducer of thermal stimuli. Diseases associated with TRPV3 include several types of Keratoderma.
Specificity	No cross-reactivity reported
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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